Application No.: 08/879,827
Page 2

On page 38, line 27, insert --(SEQ ID NO:103)-- after "AF003097".

On page 38, line 28, insert --(SEQ ID NO:104)-- after "AF003098".

On page 38, line 28, insert --(SEQ ID NO:105)-- after "AF003099".

On page 38, line 28, insert --(SEQ ID NO:106)-- after "AF003100".

On page 38, line 28, insert --(SEQ ID NO:107)-- after "AF003101".

On page 38, line 29, insert --(SEQ ID NO:108)-- after "AF003102".

On page 38, line 29, insert --(SEQ ID NO:109)-- after "AF003103".

On page 38, line 29, insert --(SEQ ID NO:110)-- after "AF003104".

On page 38, line 29, insert --(SEQ ID NO:111)-- after "AF003105".--

In the Sequence Listing, please add the following:

-- SEQ ID NO:97 [100]

AF003094 RAP2.1

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1 gaagagtcta cgatgagaaa gagaaggcag ccacctcaag aagaagtgcc taaccacgtg 61
gctacaagga agccgtacag agggatacgg aggaggaagt ggggcaagtg ggtggctgag 121
attcgtgagc ctaacaaacg ctcacggctt tggcttggct cttacacaac cgatatcgcc 181
gccgctagag cctacgacgt ggccgtcttc tacctccgtg gcccctccgc acgtctcaac 241
ttccctgatc ttctcttgca agaagaggac catctctcag ccgccaccac cgctgacatg 301
cccgcagctc ttataaggga aaaagcggcg gaggtcggcg ccagagtcga cgctcttcta 361
gcttctgccg ctccttcgat ggctcactcc actccgccgg taataaaacc cgacttgaat 421
caaatacccg aatccggaga tatatagtca atttatatac atgtagtttg ttttgtttga 481
ttagaagatt acatttacat acaagataca catagatact ggaaaatata ggtatgtata 541
cattcataaa ttatcttatg tatcaaagaa ttttatagat tctgattagc tttttgtttt 601
tgttttttgat aagaactctg attagttgtc cggagacaaa accggctaag agcaatccat 661
gagaagctag cgagtgtttt ttagttcaag ttgtaatata aatgcatatt aattctttag 721
taattttgt
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SEQ ID NO:98 [101]

AF003095 RAP2.2

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1 cgtccttggg gaaaatgggc tgcggagatc cgtgatccga gaaaaggctc ccgagaatgg 61
cttggaacat tcgacactgc tgaggaagca gcaagagctt atgatgctgc agcacgcaga 121
atccgtggca cgaaagctaa ggtgaatttt cccgaggaga agaaccctag cgtcgtatcc 181
cagaaacgtc ctagtgctaa gactaataat cttcagaaat cagtggctaa accaaacaaa 241
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agcgtaactt tggttcagca gccaacacat ctgagtcagc agtactgcaa caactccttt 301
gacaactctt ttggtgatat gagtttcatg gaagagaagc ctcagatgta caacaatcag 361
tttgggttaa caaactcgtt cgatgctgga ggtaacaatg dataccagta tttcagttcc 421
gatcagggca gtaactcctt cgactgttct gagttcgggt ggagtgatca cggccctaaa 481
acacccgaga tctcttcaat gcttgtcaat aacaacgaag catcatttgt tgaagaaacc 541
aatgcagcca agaagctcaa accaaactct gatgagtcag acgatctgat ggcatacctt 601
gacaacgcct tgtgggacac cccactagaa gtggaagcca tgcttggcgc agatgctggt 661
gctgtgactc aggaagagga aaacccagtg gagctatgga gcttagatga gatcaatttc 721
atgctggaag gagactttg aagtgatcga tggttcctta gtttgtaaat aaagctgtgt 781
tggattttgc tgttggggga tggtacaagt cacacctcaa gctctatgca ttggtatctc 841
atgagccttc tcttccatag agagtttctc ttttaatttt gtcgaaataa aaaaggtgtg 901
atgaagtaaa tagaggtata ataatatcta tctattaagt cttgttttgt tctttcattt 961
ttgtatttct tttctattta aaagacagtt tattagtctt ctgagctctc tttttgatct 1021
ttgttatagc gtatcatcac cctcgaaagt gtaatgtttt gtacccccaa acttgtttag 1081
cattataata aagtctcttt g
```

SEQ ID NO:102

AF003096 RAP2.3

```
1 ataaaggcat ttcagctcca ccgtaggaaa ctttctcttg aaagaaaccc acagcaacaa 61
acagagaaaa tgtgtggcgg tgctattatt tccgattatg cccctctcgt caccaaggcc 121
aagggccgta aactcacggc tgaggaactc tggtcagagc tcgatgcttc cgccgccgac 181
gacttctggg gtttctattc cacctccaaa ctccatccca ccaaccaagt taacgtgaaa 241
gaggaggcag tgaagaagga gcaggcaaca gagccggga aacggaggaa gaggaagaat 301
gtttatagag ggatacgtaa gcgtccatgg ggaaaatggg cggctgagat tcgagatcca 361
cgaaaaggtg ttagagtttg gcttggtacg ttcaacacgg cggaggaagc tgccatggct 421
tatgatgttg cggccaagca gatccgtggt gataaagcca agctcaactt cccagatctg 481
caccatcctc ctcctcctaa ttatactcct ccgccgtcat cgccacgatc aaccgatcag 541
cctccggcga agaaggtctg cgttgtctct cagagtgaga gcgagttaag tcagccgagt 601
ttcccggtgg agtgtatagg atttggaaat ggggacgagt ttcagaacct gagttacgga 661
tttgagccgg attatgatct gaaacagcag atatcgagct tggaatcgtt ccttgagctg 721
gacggtaaca cggcggagca accgagtcag cttgatgagt ccgtttccga ggtggatatg 781
tggatgcttg atgatgtcat tgcgtcgtat gagtaaaaga aaaaaaataa gtttaaaaaa 841
agttaaataa agtctgtaat atatatgtaa ccgccgttac ttttaaaagg tttttaccgt 901
cgcattggac tgctgatgat gtctgttgtg taatgtgtag aatgtgacca aatggacgtt 961
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atattacggt ttgtggtatt attagtttct tagatggaaa aacttacatg tgtaaataag 1021

atttgtaatg taagacgaag tacttataac ttctt

SEQ ID NO:103

AF003097 RAP 2.4

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1  tcttcctccg acgcatcaca acaacaacaa ctctttctcg aatcttctca gcccaaagcc 61
   gttactgatg aagcaatctg gagtcgctgg atcttgtttc gcttacggtt caggtgttcc 121
   ttcgaagccg acgaagcttt acagaggtgt gaggcaacgt cactgggaaa aatgggtggc 181
   tgagatccgt ttgccgagaa atcggactcg tctctggctt gggacttttg acacggcgga 241
   ggaagctgcg ttggcctatg ataaggcggc gtacaagctg cgcggcgatt tcgcccggct 301
   taacttccct aacctacgtc ataacggatt tcacatcgga ggcgatttcg gtgaatataa 361
   acctcttcac tcctcagtcg acgctaagct tgaagctatt tgtaaaagca tggcggagac 421
   tcagaaacag gacaaatcga cgaaatcatc gaagaaacgt gagaagaagg tttcgtcgcc 481
   agatctatcg gagaaagtga aggcggagga gaattcggtt tcgatcggtg gatctccacc 541
   ggtgacggag tttgaagagt ccaccgctgg atcttcgccg ttgtcggact tgacgttcgc 601
   tgacccggag gagccgccgc agtggaacga gacgttctcg ttggagaagt atccgtcgta 661
   cgagatcgat tgggattcga ttctagctta ggggcaaaat aggaaattca gccgcttgca 721
   atggagtttt tgtgaaattg catgactggc ccaagagtaa ttaattaaat atggattagt 781
   gttaaatttc gtatgttaat atttgtatta tggtttgtat tagtctctct gtgtcggtcc 841
   agcttgcggt tttttgtcag gctcgaccat gccacagttt tcattttatg taatcttttt 901
   ttcttttgtc ttatgtaatt tgtagcttca gtttcttcat ctataatgca attttattat 961
   gattatgtg
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SEQ ID NO:104

AF003098 RAP2.5

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1  gtcgacccac gcgtccgact ctctctctaa tctatctatc cgagaatggc caagatgggc 61
   ttgaaacccg acccggctac tactaaccag acccacaata atgccaagga gattcgttac 121
   agaggcgtta ggaagcgtcc ttggggccgt tatgccgccg agatccgaga tccgggcaag 181
   aaaacccgcg tctggcttgg cactttcgat acggctgaag aggcggcgcg tgcttacgat 241
   acggcggcgc gtgattttcg tggtgctaag gctaagacca atttcccaac ttttctcgag 301
   ctgagtgacc agaaggtccc taccggtttc gcgcgtagcc ctagccagag cagcacgctc 361
   gactgtgctt ctcctccgac gttagttgtg ccttcagcga cggctgggaa tgttcccccg 421
   cagctcgagc ttagtctcgg cggaggaggc ggcggctcgt gttatcagat cccgatgtcg 481
   cgtcctgtct acttttggga cctgatgggg atcggtaacg taggtcgtgg tcagcctcct 541
   cctgtgacat cggcgtttag atcgccggtg gtgcatgttg cgacgaagat ggcttgtggt 601
   gcccaaagcg actctgattc gtcatcggtc gttgatttcg aaggtgggat ggagaagaga 661
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tcgttttctc atagtttttc ctctctctct ctctcagtct aaatttatta ccagttttta 841
gaaagaaaaa acagattaaa tctgagagag aaaaatataa ttttagctga catggatcgt 901
tatgtacata ttattacata accggagatc tgaactg
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SEQ ID NO:102 *105*

AF003099 RAP 2.6

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1 aagagaagag ttttctttgc ctcctcaacc attgattacc ggttcagctg tgactaaaga 61
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atggggaaaa tgggcggcgg agattcgaga cccacacaag gcgacacgtg tatggcttgg 181
gacattcgag acagccgagg ccgccgcaag agcctatgat gcggcagcac ttcgctttag 241
aggaagcaaa gcaaagctta atttccccga aaatgttgga actcagacga ttcaacgaaa 301
ttctcatttc ttgcaaaact caatgcaacc ttctctaaca tacatcgatc aatgtccaac 361
tctattatct tactctcgat gtatggagca acaacaacca ttagtaggca tgttgcagcc 421
aacagaagag gaaaatcact ttttcgaaaa accatggacc gaatatgatc aatacaatta 481
ctcctctttt ggttaactaa catatcgtca acgctttgta tttctactta ttcgatctac 541
caattttttc tctcccaata caacttcagt ctgattattg ccttcttaga tatgtcttcg 601
aatgttatga ctatacatgg gtgtatataa aatttgtgat caaagtcttg t
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SEQ ID NO:103 *106*

AF003100 RAP 2.7

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1 aatgccgatg gagacgaaga ctcttgctct actcgagctt tcactctcag tttcgatatt 61
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aaagagtttt ttccggtgag tggagactgt ggacatctac gagatgttga aggatcatca 181
agctctagaa actggataga tctttctttt gaccgtattg gtgacggaga aacgaaattg 241
gtaactccgg ttccgactcc ggctccggtt ccggctcagg ttaaaaagag tcggagagga 301
ccaaggtcta gaagttcaca gtatagagga gttactttt atagaagaac tggtcgatgg 361
gagtcacata tttgggattg tgggaaacaa gtttatttag gtggtttcga cactgctcat 421
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gagatgagtt cataccaaaa tgagattaac tctgagagca ataactctga gattgacctc 781
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ttcccttcta atacttatga aactcagcgt ggagttagct tgaggataga taacgaatac 901

atgggaaagc cggtgaatac acctcttcct tatggatcct cggatcatcg cctttactgg 961

aacggagcat gcccgagtta taataatccc gccgagggaa gagcaacaga aaagagaagt 1021

gaagctgaag ggatgatgag taactgggga tggcagagac cggggcaaac aagcgccgtg 1081

agaccgcagc caccgggacc acaaccacca ccattgttct cagttgcagc agcatcatca 1141

ggattctcac atttccggcc acaacctccc aatgacaatg caacacgtgg ttacttttat 1201

ccacaccctt aacttgtaag gggacatatg agagtttttt taccatctct ctctctctca 1261

acactctagt cccctttcaa aaatgtcatt tgggttttag attttttcaca tacaatgatc 1321

aatttttcc
```

SEQ ID NO: 107

RAP 2.8 AF003101

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1 cgccaccacc gccaagaagc tctctcctcc tcccgcggcg gcgttacgcc tctaccggat 61

gggaagcggc gggagcagcg tcgtgttgga tcccgagaac ggcctagaga cggagtcacg 121

aaagctacca tcttcaaaat acaaaggtgt tgttcctcag cctaacggaa gatggggagc 181

tcagatctac gagaagcacc aacgagtatg gctcgggact ttcaacgagc aagaagaagc 241

tgctcgttcc tacgacatcg cagcttgtag attccgtggc cgcgacgccg tcgtcaactt 301

caagaacgtt ctggaagacg gcgatttagc ttttcttgaa gctcactcaa aggccgagat 361

cgtcgacatg ttgagaaaac acacttacgc cgacgagctt gaacagaaca ataaacggca 421

gttgtttctc tccgtcgacg ctaacggaaa acgtaacgga tcgagtacta ctcaaaacga 481

caaagtttta aagacgtgtg aagttctttt cgagaaggct gttacaccta gcgacgttgg 541

gaagctaaac cgtctcgtga tacctaaaca acacgccgag aaacactttc cgttaccgtc 601

accgtcaccg gcagtgacta aaggagtttt gatcaacttc gaagacgtta acggtaaagt 661

gtggaggttc cgttactcat actggaacag tagtcaaagt tacgtgttga ccaagggatg 721

gagtcgattc gtcaaggaga agaatcttcg agccggtgat gttgttactt tcgagagatc 781

gaccggacta gagcggcagt tatatattga ttggaaagtt cggtctggtc cgagagaaaa 841

cccggttcag gtggtggttc ggctttncgg agttgatatc tttaatgtga ccaccgtgaa 901

gccaaacgac gtcgtggccg tttgcggtgg aaagagatct cgagatgttg atgatatgtt 961

tgcgttacgg tgttccaaga agcaggcgat aatcaatgct ttgtgacata tttccttttc 1021

cgattttatg ctttcgtttt ttaattttt tttttgtcaa gttgtgtagg ttgtgattca 1081

tgctaggttg tatttaggaa aagagataag acc
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SEQ ID NO:108

RAP2.9 AF003102

1 cgatcacgga tctggcttgg ttcatacaaa accgccgttg ccgcggcacg ggcctacgat 61

accgctgtgt tttacttacg tggtccttcg gcgagactca atttccctga agaggtcttt 121

aaggatggaa acggcggtga aggcttagga ggagatatgt ctccgacgtt gatacggaag 181

aaggcggctg aggtgggagc tagagtcgac gcagagttgc ggttagagaa taggatggtt 241

gagaacttag acatgaataa gttgccggag gcatatggat tgtaatttat agtttggtag 301

tttataggtt ggagattgcc cggagacaga gtcaaacaga ggttctctga ctcatatgag 361

gcataatata gttaatatag taattttgt tttgagcata gtaattatgt cataacc

SEQ ID NO:109

RAP2.10 AF003103

1 atttttgaa acttcttctc ttttgcggtt tcgtgttcca ctcctctctt cttggcccac 61

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cttctttatc tttaaaatct ctttagatcg attcttttgt ggattcttga aatctccgga 181

gaaaaccact atggagacgg cgactgaagt ggccacggtg gtgtcaactc cggcggttac 241

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gtgggggaag tgggtggcgg agataagaga gcctaataaa aggtcaagga tctggcttgg 361

ctcttactct actcctgaag cggcggcgcg tgcttacgac acggcggtgt tttatctccg 421

aggtccttct gctcggctta acttccccgga gcttttagcc ggagtgacgg tgacgggagg 481

aggcggagga ggagtgaacg gtggtggaga tatgtcggcg gcgtatataa ggagaaaagc 541

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tcatcatcat catcaacatc aacgtggtaa tcatgattac gtagataatc atagtgatta 661

tcgtattaat gatgatctta tggagtgtag tagtaaagaa gggtttaaga ggtgtaatgg 721

atcgttggaa cgggttgatt taaacaaatt acccgatccg gaaacttcag atgacgatta 781

ggaaagcaaa aaatagaaac aaaaaaaaaa aaaa

SEQ ID NO:110

RAP2.11 AF003104

1 aaaaaaatat ggaacatcaa acaactccaa agcagaaaac taaggagaag agcaaaggca 61

acaagactaa gtttgtggga gttaggcaaa ggccttcagg aaaatgggtg cagagatca 121

aagacactac acaaaagata cggatgtggc tcggaacctt tgaaaccgca gaagaagccg 181

ctcgagccta cgatgaagct gcatgtctct tacgtggctc caatactcgc accaatttcg 241

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ccacggccat accgctcaat aatgtgtacc gaccagattc atcggtcatt gggcaaccag 481
aaaccgaggg tctccagctt ccttattcgt ggccccttgt ctctggattc aaccatcaga 541
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atcaacattt gggtcttgca gaaattgaaa gacagatatc tgcgtcccta tatgcaatga 661
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SEQ ID NO:1~~08~~ 111

RAP2.12 AF003105

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1   cgttcgaatt tcttcgattt tgacgctgag ttcgaagctg atttccaagg tttcaaagat 61
    gattcgtcta tcgattgcga tgatgatttc gacgtcggtg atgttttcgc cgatgtgaaa 121
    ccattcgttt tcacttcgac tccaaaaccc gccgtctccg ccgctgcgga aggttcagtt 181
    tttggtaaga aagttactgg cttggatggg gacgctgaga aatctgcaaa taggaagagg 241
    aagaatcagt accgagggat taggcaacgt ccttggggaa aatgggctgc tgagatacgt 301
    gatccaaggg aaggtgctag aatctggctt ggaacgttca agacagctga ggaagctgct 361
    agagcttacg atgctgcagc gcggagaatc cgtggatcta aagctaaggt gaatttccct 421
    gaagaaaaca tgaaggctaa ttctcagaaa cgctctgtga aggctaatct tcagaaacca 481
    gtggctaaac ctaaccctaa cccaagtcca gctttggttc agaactcgaa catctccttt 541
    gaaaatatgt gtttcatgga ggagaaacac caagtgagca acaacaacaa caaccagttt 601
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    ggtagtaatt ctttcgattg ttcggagttt ggttggagcg atcaagctcc gataactccc 721
    gacatctctt ctgcggttat caacaacaac aactcagctc tgttctttga ggaagccaat 781
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    ccagtttcat gtaaataagg ctgcatgttt gtgagtttcc cgcatcgttc gtttatcaac 1021
    ctccaaaact ttctaatgtc tgttacttgc atcttcttct gctgtctctg tctgtctctc 1081
    tcaggagttc ctgtttgcat tgcgagaagc catgagcctc tatcttgagg gtagttgtga 1141
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